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PTO/SB/05 (1/98)

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UTILITY PATENT APPLICATION TRANSMITTAL	Attorney Docket No.	96-0296-96544
	First Inventor or Application Identifier	James A. Thomson
	Title	SERUM FREE CULTIVATION OF PRIMATE EMBRYONIC STEM CELLS
	Express Mail Label No.	EJ636878508US

(Only for new nonprovisional applications under 37 CFR 1.53(b))

APPLICATION ELEMENTS	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application
1 <input checked="" type="checkbox"/> Fee transmittal Form (Submit an original and a duplicate for fee processing)	6. <input type="checkbox"/> Microfiche Computer Program (Appendix)
2 <input checked="" type="checkbox"/> Specification (Total Pages 17) (preferred arrangement set forth below) <ul style="list-style-type: none">- Descriptive title of the invention- Cross References to Related Applications- Statement Regarding Fed Sponsored R&D- Reference to Microfiche Appendix- Background of the Invention- Brief Summary of the Invention- Brief Description of the Drawings (if filed)- Detailed Description- Claim(s)- Abstract of the Disclosure	7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ul style="list-style-type: none">a. <input type="checkbox"/> Computer readable Copyb. <input type="checkbox"/> Paper Copy (identical to computer copy)c. <input type="checkbox"/> Statement Verifying identity of above
3 <input type="checkbox"/> Drawing(s) (35 USC 113) (Total Sheets <input type="checkbox"/>)	ACCOMPANYING APPLICATION PARTS 8 <input type="checkbox"/> Assignment Papers (cover sheet & documents) 9 <input type="checkbox"/> 37 CFR 3.73(b) Statement (where there is an assignee) <input checked="" type="checkbox"/> Power of Attorney 10 <input type="checkbox"/> English Translation Document (if applicable) 11 <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations 12 <input type="checkbox"/> Preliminary Amendment 13 <input checked="" type="checkbox"/> Return receipt postcard (MPEP 503) (Should be specifically itemized) 14 <input checked="" type="checkbox"/> *Small Entity Statement filed in prior application <input type="checkbox"/> Status still proper and desired 15 <input type="checkbox"/> Certified copy of priority Document(s) 16 <input type="checkbox"/> Other: * A newstatement is required to pay small entity fees, except where
4. Oath or Declaration (Total Pages 2) <ul style="list-style-type: none">a. <input checked="" type="checkbox"/> Newly executed (original or copy)b. <input type="checkbox"/> Copy from prior Application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed) (Note Box 5 below)<ul style="list-style-type: none">i. <input type="checkbox"/> DELETION OF INVENTOR(S) inventor(s) named in prior application,	
5 <input type="checkbox"/> Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application from under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference herein.	
17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application no. _____ Prior application information: Examiner: _____ Group/Art Unit: _____	

18. CORRESPONDENCE ADDRESS	
<input type="checkbox"/> Customer Number or Bar Code Label	or <input checked="" type="checkbox"/> Correspondence address below

NAME		Carl R. Schwartz	
ADDRESS		Quarles & Brady	
411 East Wisconsin Avenue			
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Name (Print/Type)	Carl R. Schwartz	Registration No. (Attorney/Agent)	29,437
Signature		Date	March 9, 2000

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. MKE\4503474

FEE TRANSMITTAL**for FY 2000**Patent fees are subject to annual revision.
Small Entity payments must be supported by a small entity statement
otherwise large entity fees must be paid, See Forms PTO/SB/09-12

TOTAL AMOUNT OF PAYMENT \$ 423

Complete if Known

Application Number	
Filing Date	March 9, 2000
First Named Inventor	James A. Thomson
Group Art Unit	---
Examiner Name	---
Attorney Docket Number	960296.96544

METHOD OF PAYMENT (check one)1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:Deposit
Account
Number

17-0055

Deposit
Account
Name

Quarles & Brady LLP

☒ Charge Any Additional Fee Required
Under 37 CFR 1.16 and 1.172. ☐ Payment Enclosed:☐ Check ☐ Money
Order ☐ Other**FEE CALCULATION (fees effective 11/10/98)****1. FILING FEE**

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
101	690	201	345	Utility filing fee	345
106	310	206	155	Design filing fee	
107	480	207	240	Plant filing fee	
108	760	208	380	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$) 345

2. CLAIMS

	Extra	Fee from below	Fee Paid
Total Claims 16 -20**=		X	
Independent Claims 5 -3**=	2	X	39
Multiple Dependent Claims			

** or number previously paid, if greater, For reissues see below

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20 -
102	78	202	39	Independent claims in excess of 3
104	260	204	130	Multiple dependent claim
109	78	209	39	Reissue independent claims over original patent
110	18	210	9	Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 78

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920	112	920	Requesting publication of SIR prior to Examiner action	
113	1,840	113	1,840	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	380	216	190	Extension for reply within second month	
117	870	217	435	Extension for reply within third month	
118	1,360	218	680	Extension for reply within fourth month	
128	1,850	228	925	Extension for reply within fifth month	
119	300	219	150	Notice of Appeal	
120	300	220	150	Filing a brief in support of an appeal	
121	260	221	130	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive unavoidably abandoned application	
141	1,210	241	605	Petition to revive unintentionally abandoned application	
142	1,210	242	605	Utility issue fee (or reissue)	
143	430	243	215	Design issue fee	
144	580	244	290	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	760	246	380	Filing a submission after final rejection (37 CFR 1.129(a))	
149	760	249	380	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify) _____

Other fee (specify) _____

SUBTOTAL (3) (\$)

* Reduced by Basic Filing Fee Paid

SUBMITTED BYTyped or
Printed Name

Carl R. Schwartz

Signature

Date

March 9, 2000

Complete (if applicable)

Reg. Number

29,437

Deposit Account
User ID